DTC	41	Fuel Tank Select Relay Circuit Malfunction (Fuel Tank Changeover Switch ON)

CIRCUIT DESCRIPTION

Refer to DTC 11 on page DI–90.

DTC No.	DTC Detection Condition	Trouble Area
41	Conditions (a), (b) and (c) continue: (a) Fuel tank changeover switch ON (Voltage of FPMS terminal is high) (b) Voltage of FPM1 terminal is high (c) Voltage of FPM2 terminal is low	• Open or short in fuel tank select relay circuit • Fuel tank select relay • Open or short in sub fuel pump circuit • Sub fuel pump • Short in main fuel pump circuit (+B short) • Engine ECU

WIRING DIAGRAM

Refer to DTC 11 on page DI–90.

INSPECTION PROCEDURE

1	Check fuel tank select relay (See page FI–46).

NG → Replace fuel tank select relay.

OK

2	Check voltage between terminal FPM2 of engine ECU connector and body ground (See page DI–101, step 1).

OK → Go to step 4.

NG

3	Check for open and short in harness and connector between fuel tank changeover switch and fuel tank select relay, and fuel tank select relay and body ground (See page IN–19).

NG → Repair or replace harness or connector, and then go to step 3.

OK

4	Check operation of sub fuel pump (See page DI–101, step 5).

HINT:
If you have no hand–held tester, and then go to step 5.

OK → Go to step 7.

NG

5	Check sub fuel pump (See page FI–12).

NG → Replace sub fuel pump, and then go to step 8.

OK

6	Check for open or short in harness and connector between sub fuel pump and fuel tank select relay (See page IN–19).

NG → Repair or replace, and then go to step 8.

OK

7	Check for open and short in harness and connector between fuel tank select relay and engine ECU, and sub fuel tank forcing driving relay and engine ECU (See page IN–19).

NG → Repair or replace, and then go to step 8.

OK

8	Check for short in harness and connector between main fuel pump and fuel tank select relay (+B short circuit) (See page IN–19).

NG → Repair or replace harness and connector.

OK

Check and replace engine ECU (See page IN–19).